Pursuant to the authority vested in California Air Resources Board by Sections 43013, 43018, 43101, 43102, 43104 and 43105 of the Health and Safety Code; and

Pursuant to the authority vested in the undersigned by Sections 39515 and 39516 of the Health and Safety Code and Executive Order G-19-095;

IT IS ORDERED AND RESOLVED: That the following compression-ignition engines and emission control systems produced by the manufacturer are certified as described below for use in off-road equipment. Production engines shall be in all material respects the same as those for which certification is granted.

MODEL YEAR	ENGINE FAMILY	DISPLACEMENT (liters)	FUEL TYPE	USEFUL LIFE (hours)
2023	PSIDL07.4I7C	7.4, 6.6, 4.9	Diesel	8000

SPECIAL FEATURES & EMISSION CONTROL SYSTEMS	TYPICAL EQUIPMENT APPLICATION
Engine Control Module, Electronic Direct Injection, Turbocharger, Charge Air Cooler, Diesel Oxidation Catalyst, Periodic Trap Oxidizer, Selective Catalytic Reduction – Urea, Ammonia Oxidation Catalyst	Tractor

The engine models and codes are attached.

The following are the exhaust certification standards (STD) and certification levels (CERT) for non-methane hydrocarbon (NMHC), oxides of nitrogen (NOx), or non-methane hydrocarbon plus oxides of nitrogen (NMHC+NOx), carbon monoxide (CO), and particulate matter (PM) in grams per kilowatt-hour (g/kw-hr), and the opacity-of-smoke certification standards and certification levels in percent (%) during acceleration (Accel), lugging (Lug), and the peak value from either mode (Peak) for this engine family (Title 13, California Code of Regulations, (13 CCR) Section 2423):

RATED POWER CLASS	EMISSION STANDARD CATEGORY		EXHAUST (g/kw-hr)					OPACITY (%)		
			NMHC	NOx	NMHC+NOx	CO	PM	ACCEL	LUG	PEAK
130 ≤ kW ≤ 560	Tier 4 Final	**STD**	0.19	0.40	N/A	3.5	0.02	N/A	N/A	N/A
		CERT	0.01	0.29	--	0.01	0.01	--	--	--

BE IT FURTHER RESOLVED: That for the listed engine models, the manufacturer has submitted the information and materials to demonstrate certification compliance with 13 CCR Section 2424 (emission control labels), and 13 CCR Sections 2425 and 2426 (emission control system warranty).

Engines certified under this Executive Order must conform to all applicable California emission regulations.

This Executive Order is only granted to the engine family and model-year listed above. Engines in this family that are produced for any other model-year are not covered by this Executive Order.

Executed on this 13th day of April 2023.

Robin U. Lang

Robin U. Lang, Chief
Emissions Certification and Compliance Division

Attachment: Engine Models **EO #:** U-R-050-0104 **Family:** PSIDL07.4I7C **Attachment Revised:** 4/7/2023

Model	Code	Trim	Config	Displacement	Displacement - Units	Peak Power	Peak Power - Units	Peak Power - Speed (rpm)	Peak Power - Fueling	Peak Power - Fuel Units	Peak Torque	Peak Torque - Units	Peak Torque - Speed (rpm)	Peak Torque - Fuel	Peak Torque - Fuel Units	OBD	GHG	Special	Notes
74	LFTN-D	5.1567	I6	7.4	Liters	275	horsepower	2100	160	mm3/stroke	974	lb-ft	1500	188	mm3/stroke				OCV
74	LFTN-D	4.1610	I6	7.4	Liters	241	horsepower	1950	144	mm3/stroke	833	lb-ft	1460	156	mm3/stroke				OCV
74	LFTN-D	4.1611	I6	7.4	Liters	274	horsepower	1950	161	mm3/stroke	944	lb-ft	1460	178	mm3/stroke				OCV
66	LFTN-D	4.1609	I6	6.6	Liters	208	horsepower	2100	127	mm3/stroke	701	lb-ft	1500	135	mm3/stroke				OCV
74	LFTN-D	4.1612	I6	7.4	Liters	217	horsepower	1950	126	mm3/stroke	738	lb-ft	1500	139	mm3/stroke				OCV
74	LFTN-D	4.1613	I6	7.4	Liters	241	horsepower	1950	144	mm3/stroke	833	lb-ft	1500	156	mm3/stroke				OCV
74	LFTN-D	4.1614	I6	7.4	Liters	274	horsepower	1950	161	mm3/stroke	944	lb-ft	1500	178	mm3/stroke				OCV
74	LFTN-D	4.1674	I6	7.4	Liters	241	horsepower	1950	144	mm3/stroke	833	lb-ft	1500	156	mm3/stroke				OCV
74	LFTN-D	4.1675	I6	7.4	Liters	274	horsepower	1950	161	mm3/stroke	944	lb-ft	1500	178	mm3/stroke				OCV
49	LFTN-D	4.1627	I4	4.9	Liters	181	horsepower	2100	158	mm3/stroke	590	lb-ft	1500	173	mm3/stroke				OCV
66	LFTN-D	4.1698	I6	6.6	Liters	208	horsepower	2100	130	mm3/stroke	701	lb-ft	1500	137	mm3/stroke				OCV
74	LFTN-D	4.1699	I6	7.4	Liters	235	horsepower	2100	139	mm3/stroke	811	lb-ft	1500	153	mm3/stroke				OCV
74	LFTN-D	4.1700	I6	7.4	Liters	296	horsepower	2100	170	mm3/stroke	885	lb-ft	1500	169	mm3/stroke				OCV
66	LFTN-D	4.1676	I6	6.6	Liters	170	horsepower	2100	95	mm3/stroke	553	lb-ft	1500	106	mm3/stroke				OCV
66	LFTN-D	4.1677	I6	6.6	Liters	170	horsepower	2100	95	mm3/stroke	553	lb-ft	1500	106	mm3/stroke				OCV
66	LFTN-D	4.1678	I6	6.6	Liters	180	horsepower	2100	99	mm3/stroke	590	lb-ft	1500	113	mm3/stroke				OCV
66	LFTN-D	4.1679	I6	6.6	Liters	180	horsepower	2100	99	mm3/stroke	590	lb-ft	1500	113	mm3/stroke				OCV
66	LFTN-D	4.1680	I6	6.6	Liters	198	horsepower	2100	110	mm3/stroke	634	lb-ft	1500	121	mm3/stroke				OCV
66	LFTN-D	4.1681	I6	6.6	Liters	198	horsepower	2100	110	mm3/stroke	634	lb-ft	1500	121	mm3/stroke				OCV
66	LFTN-D	4.1682	I6	6.6	Liters	209	horsepower	2100	116	mm3/stroke	682	lb-ft	1500	130	mm3/stroke				OCV
74	LFTN-D	4.1657	I6	7.4	Liters	202	horsepower	1950	119	mm3/stroke	700	lb-ft	1500	131	mm3/stroke				OCV
74	LFTN-D	4.1658	I6	7.4	Liters	216	horsepower	1950	126	mm3/stroke	737	lb-ft	1500	139	mm3/stroke				OCV
74	LFTN-D	4.1659	I6	7.4	Liters	235	horsepower	1950	137	mm3/stroke	811	lb-ft	1500	154	mm3/stroke				OCV
74	LFTN-D	4.1660	I6	7.4	Liters	249	horsepower	1950	148	mm3/stroke	884	lb-ft	1500	169	mm3/stroke				OCV
74	LFTN-D	4.1661	I6	7.4	Liters	274	horsepower	1950	164	mm3/stroke	943	lb-ft	1500	180	mm3/stroke				OCV
74	LFTN-D	4.1662	I6	7.4	Liters	288	horsepower	1950	172	mm3/stroke	943	lb-ft	1500	181	mm3/stroke				OCV
49	LFTN-D	4.1690	I4	4.9	Liters	170	horsepower	2100	144	mm3/stroke	553	lb-ft	1500	160	mm3/stroke				OCV
49	LFTN-D	4.1692	I4	4.9	Liters	170	horsepower	2100	144	mm3/stroke	553	lb-ft	1500	160	mm3/stroke				OCV
49	LFTN-D	4.1693	I4	4.9	Liters	180	horsepower	2100	152	mm3/stroke	590	lb-ft	1500	172	mm3/stroke				OCV
49	LFTN-D	4.1694	I4	4.9	Liters	180	horsepower	2100	152	mm3/stroke	590	lb-ft	1500	172	mm3/stroke				OCV
49	LFTN-D	4.1695	I4	4.9	Liters	189	horsepower	2100	161	mm3/stroke	590	lb-ft	1500	172	mm3/stroke				OCV
49	LFTN-D	4.1696	I4	4.9	Liters	189	horsepower	2100	161	mm3/stroke	590	lb-ft	1500	172	mm3/stroke				OCV
49	LFTN-D	4.1673	I4	4.9	Liters	181	horsepower	2100	158	mm3/stroke	590	lb-ft	1500	173	mm3/stroke				OCV
49	LFTN-D	4.1624	I4	4.9	Liters	181	horsepower	2100	159	mm3/stroke	590	lb-ft	1500	176	mm3/stroke				OCV
49	LFTN-D	4.1852	I4	4.9	Liters	189	horsepower	2100	156	mm3/stroke	590	lb-ft	1500	169	mm3/stroke				OCV
74	LFTN-D	4.1775	I6	7.4	Liters	174	horsepower	2100	113	mm3/stroke	690	lb-ft	1500	127	mm3/stroke				OCV
74	LFTN-D	4.1776	I6	7.4	Liters	212	horsepower	2100	126	mm3/stroke	686	lb-ft	1500	127	mm3/stroke				OCV